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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/500,841 02/15/2005		Naoyuki Taniguchi	034100-003	7031
21839	7590 12/16/2005	EXAMINER		
	N INGERSOLL PC	CHOWDHURY, IQBAL HOSSAIN		
POST OFFICE	FBURNS, DOANE, SWEC EBOX 1404	ART UNIT	PAPER NUMBER	
ALEXANDRI	A, VA 22313-1404		1652	

DATE MAILED: 12/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No.		Applicant(s)				
Office Action Summary			10/500,841		TANIGUCHI ET AL.				
			Examiner		Art Unit				
			Iqbal Chowdhury, Ph.D.		1652				
Period fo	The MAILING DATE of this commun r Reply	ication app	ears on the cover sheet	with the co	orrespondence ac	ldress			
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD F CHEVER IS LONGER, FROM THE M nsions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this come period for reply is specified above, the maximum st re to reply within the set or extended period for reply reply received by the Office later than three months a red patent term adjustment. See 37 CFR 1.704(b).	IAILING DA of 37 CFR 1.13 nunication. atutory period wi will, by statute,	TE OF THIS COMMUI 6(a). In no event, however, may ill apply and will expire SIX (6) M cause the application to become	NICATION a reply be time ONTHS from to ABANDONED	ely filed he mailing date of this c (35 U.S.C. § 133).				
Status	•								
1)[]	Responsive to communication(s) file	ed on							
•	•		- action is non-final.						
3)	secution as to the	e merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
4)⊠	Claim(s) 1-22 is/are pending in the a	application.			•				
	4a) Of the above claim(s) is/a	re withdraw	n from consideration.						
5)	5) Claim(s) is/are allowed.								
6)[6) Claim(s) is/are rejected.								
7)	Claim(s) is/are objected to.				•				
8)⊠	Claim(s) 1-22 are subject to restriction	on and/or e	lection requirement.						
Applicati	on Papers	•							
9)[The specification is objected to by th	e Examiner	•						
10)	The drawing(s) filed on is/are:	a) 🗌 acce	pted or b) objected	to by the E	xaminer.				
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
	Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	under 35 U.S.C. § 119								
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:									
	1. Certified copies of the priority								
	2. Certified copies of the priority documents have been received in Application No								
3. Copies of the certified copies of the priority documents have been received in this National Stage									
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.									
	see the attached detailed Office action	in lor a list t	or the certified copies in	ot received	u.				
Attachmen	t(s)								
1) Notic	e of References Cited (PTO-892)		4) Intervie						
	e of Draftsperson's Patent Drawing Review (F			lo(s)/Mail Da of Informal Pa	te atent Application (PT0	O-152)			
	mation Disclosure Statement(s) (PTO-1449 or r No(s)/Mail Date	F10/38/08)	6) Other: _			- ·,			

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DETAILED ACTION

Election/Restrictions

This application is a 371 of PCT/JP03/03846.

The preliminary amendment filed 7/7/2004 amending claims 6, 8-10, 14-17, 20-22 has been entered.

Claims 1-22 are pending.

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions, which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group, I claim(s) 1-7, drawn to an isolated polypeptide β1,6-N-acetylglucosaminyltransferase and neovascularization accelerator comprising the polypeptide.

Group, II claim(s) 8-13, drawn to a method screening neovascularization inhibitor by using polypeptide.

Group, III claim(s) 14-19, drawn to a compound having neovascularization inhibiting activity.

Group, IV claim(s) 20-22, drawn to an antibody that binds to the polypeptide and method of using antibody and a kit.

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- The inventions listed as Groups I IV do not relate to a single general inventive concept 2. under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special following The polypeptide β1.6-Ntechnical features for the reasons: acetylglucosaminyltransferase of Group I, and antibody of the polypeptide Group IV are each unrelated polypeptide with distinct amino acid sequences. The only shared technical feature of these groups is that they all relate to polynucleotide encoding a polypeptide \$1,6-Nacetylglucosaminyltransferase. However, this shared technical feature is not a "special technical feature" as defined by PCT Rule 13.2 as it does not define a contribution over the art. According the search report (PCT form 210), a DNA encoding a polypeptide β1,6-Nacetylglucosaminyltransferase is known in the art (EP585109 A2; Suntory, Ltd., see IDS). Thus, a DNA encoding a polypeptide β1.6-N-acetylglucosaminyltransferase does not make contribution over the prior art. In addition, Taniguchi et al. ("Implication of Nacetylglucosaminyltransferases III and V in cancer: gene regulation and signaling mechanism", Biophys Acta, 1999, 1455(2-3): 287-300, Review, see IDS) teach N-Biochim acetylglucosaminyltransferases V (GnT-V) play a pivotal role in the processing of N-linked glycoproteins, and are highly involved in cancer progression and metastasis.
- 3. The polypeptide of Group I and compound of Group III are independent and distinct.
- 4. The antibody of Group IV does not have unity of invention with methods of screening neovascularization inhibitor as antibody of Group IV neither made nor used by the method of Group II.
- 5. The compound of Group III and antibody of Group IV are independent and distinct.

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37 CFR 1.475 does not provide for multiple products and/or methods within a single application. Therefore, inventions of Group I - IV lack unity of invention.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

The examiner has required restriction between product and process claims. Where applicant elects claims directed to the product, and a product claim is subsequently found allowable, withdrawn process claims that depend from or otherwise include all the limitations of the allowable product claim will be rejoined in accordance with the provisions of MPEP § 821.04. Process claims that depend from or otherwise include all the limitations of the patentable product will be entered as a matter of right if the amendment is presented prior to final rejection or allowance, whichever is earlier. Amendments submitted after final rejection are governed by 37 CFR 1.116; amendments submitted after allowance are governed by 37 CFR 1.312.

In the event of rejoinder, the requirement for restriction between the product claims and the rejoined process claims will be withdrawn, and the rejoined process claims will be fully examined for patentability in accordance with 37 CFR 1.104. Thus, to be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103, and 112. Until an elected product claim is found allowable, an otherwise proper restriction requirement between product claims and process claims may be maintained. Withdrawn process claims that are not commensurate in scope with an allowed product claim will not be rejoined. See "Guidance on Treatment of Product and Process Claims in light of *In re Ochiai, In re*

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Brouwer and 35 U.S.C. § 103(b)," 1184 O.G. 86 (March 26, 1996). Additionally, in order to retain the right to rejoinder in accordance with the above policy, Applicant is advised that the process claims should be amended during prosecution either to maintain dependency on the product claims or to otherwise include the limitations of the product claims. Failure to do so may result in a loss of the right to rejoinder.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Iqbal Chowdhury whose telephone number is 571-272-8137. The examiner can normally be reached on 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapu Achutamurthy can be reached on 703-272-0928. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Respectfully,

IC

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